

IN THE CLAIMS:

Please cancel claim 1 without prejudice or disclaimer.

Claim 1 (Cancelled)

Please add new claims 2-7 as follows:

Claim 2 (New) A sealing device with a rotation detecting element, wherein a crank shaft is rotatably supported in a cylinder block of an engine, a seal housing is secured to said cylinder block, a sealing element in said seal housing for sealing a boundary space between a crank chamber side of the engine and an external atmosphere side, and a detector in said cylinder block at the external atmosphere side for detecting a rotary condition of said crank shaft, said sealing device comprising:

a seal ring secured to said seal housing and including a gasket part, an intermediate part, a base part, and a seal lip, said gasket part being secured to said seal housing, said base part extending from said gasket part through said intermediate part toward said crank shaft, and said seal lip being bent from said base part of said seal ring toward said seal housing at said crank chamber side;

an attachment ring secured to said seal housing and including a cylindrical press-fit part, an intermediate part, and an inner peripheral radial part, said cylindrical pre-fit part being adapted to secure said gasket part of said seal ring to said seal

housing, said intermediate part being adapted to support said intermediate part of said seal ring, and said inner peripheral radial part being adapted to support said base part of said seal ring;

a first slinger secured to said crank shaft and including a first cylindrical fitting part and a seal flange, said first cylindrical fitting part being secured to said crank shaft, said seal flange being bent from said first cylindrical fitting part toward said seal housing at said crank chamber side, a distal end of said seal lip being brought into contact with said seal flange to define a sealing and sliding section;

a second slinger secured to said first slinger at said atmosphere side and including a second cylindrical fitting part and a flange, said second cylindrical fitting part being secured to said first cylindrical fitting part of said first slinger, said flange being bent from said second cylindrical fitting part toward said seal housing at said atmosphere side, and an inner peripheral surface of said base part of said seal ring being closely opposed to an outer peripheral surface of said second cylindrical fitting part of said second slinger with respect to a radial direction of said crank shaft;

a to-be-detected disc secured to said flange of said second slinger at said atmosphere side and arranged to be opposed to said detector; and

a dust lip secured to said base part of said seal ring at said atmosphere side, and an inner peripheral surface of said dust lip being closely opposed to an outer

peripheral surface of said second cylindrical fitting part of said second slinger with respect to a radial direction of said crank shaft.

Claim 3. (New) The sealing device with a rotation detecting element according to claim 2, wherein said seal flange of said first slinger is provided on a surface at the sealing and sliding section side with a spiral screw.

Claim 4. (New) The sealing device with a rotation detecting element according to claim 2, wherein a slight gap is provided between an inner peripheral surface of said intermediate part of said seal ring and an outer peripheral surface of said flange of said second slinger at said atmosphere side.

Claim 5. (New) The sealing device with a rotation detecting element according to claim 2, wherein said first cylindrical fitting part of said first slinger is provided with an enlarged diameter cylindrical part at said atmosphere side and said second cylindrical fitting part of said second slinger is press-fitted into a space between an inner peripheral surface of said enlarged diameter cylindrical part and an outer peripheral surface of said crank shaft.

Claim 6. (New) The sealing device with a rotation detecting element according to claim 2, wherein said detector is a magnetic sensor and said to-be-detected disc is a magnetized rubber disc.

Claim 7. (New) The sealing device with a rotation detecting element according to claim 6, wherein said magnetized rubber disc is provided with a plurality of radial grooves.